TWO-WAY 6-BUTTON LCD AUTOMATIC/MANUAL
TRANSMISSION REMOTE STARTER SYSTEM
WITH **FULL ALARM SYSTEM**

AS-6650TW-FM

User Guide

WARNING

It is the responsibility of the vehicle operator to ensure their vehicle is parked in a safe and responsible manner.

1. **a) Manual transmission:** When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in the **NEUTRAL** position and the parking brake is engaged in order to avoid accidents upon remote starting.
   b) Automatic transmission: When leaving the vehicle, it is the user's responsibility to ensure that the gearshift lever is in "Park" in order to avoid accidents upon remote starting.
   (**Note:** Make sure that the automatic vehicle cannot start in "Drive".)
2. It is the user's responsibility to ensure that the remote starter is disabled or put into valet mode before servicing.

A note concerning the battery inside the transmitter:

Depending on your usage of the transmitter, the battery can last anywhere between 3 to 6 months. When the battery is low, the transmitter will produce two beeps in a repetitive cycle. ***At that point you should replace your battery with a new one.*** That is why we recommend that you keep a spare battery somewhere handy such as the glove compartment.

INDUSTRY CANADA USER NOTICE:
Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.
To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropically radiated power (EIRP) is not more than that required for successful communication.
NOTE: The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment.

DOC.: 1.13 - 2W-FM-LCD-6020-CMB-A-M - September 14, 2007 - - MO - Assembled in Canada

Table of Contents

Introduction **2**
Vehicle Presets **2**
Heater & Heated Seat 2
Windshield Wipers, Radio & Headlights 3
Remote-Starting Your Vehicle **3**
Setting Your Vehicle Into Ready Mode 3
Remote-starting 3
Driving Off 4
Using the System **4**
Arming and Disarming the System 4
Idle Mode 4
Turbo Mode 5
Valet Mode with the Valet Switch 5
Ignition Valet 6
Start Attempts Indicator (Valet Mode) 6
Remote Valet Mode 6
"Home Valet™" Mode 6
Panic Mode 7
Quick Lockout™ 7
Cold Weather Mode 7
Temporary chirp delete 8
Advanced Features: Installation-programmable Options **8**
Remote Door Locks 8
Priority Door Access 8
Active or Passive Arming 8
The Starter Kill and the Anti-grind Feature 8
Shock Sense, Warn-away Sense 9
Disarmed Notification 9
Siren Chirps or Horn Honks 9
Car Finder 9
Siren or Horn Chirp Timing 9
Safe Start 9
Home Valet ™ 9
Ignition-controlled Door Locks 9
Ignition Re-lock 10
Relock 10
Secure Lock 10
Turbo Mode 10
Remote Trunk Release 10
Engine Run Time 10
Extended Run Time 10
Separate Start and Stop buttons 10
Temperature Request (If ACC-Temp-101 installed) 10
Multi-car Operation 11
Missing a Start or a Stop Confirmation **11**
Multi-Level Features (*default state)* **12**
Accessing the Multi-Level Features and Other Transmitter Functions 12
Intrusion Codes through the LED Light **13**
Troubleshooting Poor Transmitting Range **13**
Using the Remote Control **14**
LCD Transmitter Operation (First Car Control) **14**
Basic Vehicle Operation 14
Transmitter Mode Selection 15
Time or Alarm Clock Adjustments 15
Cold Weather Mode 16
Home Valet™ 16
Safe Start Mode 16
Parking Countdown 16
*Runtime Options (once the car has been remote started) 16
LCD Transmitter Operation (Second Car Control) **17**
Basic Vehicle Operation 17
Start and Stop While in Safe Start Mode 17
Diagnostics – Chirps Table **17**
Diagnostics – Parking Light Flash Table **18**

Introduction

This system is a state-of-the-art remote car starter and alarm combo system. The system is packed with advanced features such as priority access to the driver's door and car finder (commodity features), last armed state memory in case of power failure (which ensures that the vehicle remains protected after a power failure recovery) and the safe start children safety feature. With many advanced functions, this product will satisfy any one your expectations from high-end commodity and security systems, without neglecting any standard feature commonly offered by entry-level starters.

Vehicle Presets

Heater & Heated Seat

When leaving the vehicle it is recommended to preset the accessory controls in preparation for the next remote start. Settings for the blower motor (fan), front and rear, as well as heated seats (if equipped) should not be left on **HIGH**. It is recommended to leave the settings on **LOW** or **MEDIUM** instead.

Windshield Wipers, Radio & Headlights

Certain vehicles require the radio and / or windshield wiper and / or headlight circuits to become energized while running under remote start. When leaving the vehicle you must ensure that the windshield wiper and headlight switches are **OFF**. Leaving the headlight switch **ON** on certain types of vehicles could cause them to remain **ON** even after remote starter shut down, resulting in a dead battery.

Remote-Starting Your Vehicle

If your vehicle has an **automatic transmission**, simply press the **START/STOP** button to remote start your vehicle. Skip the next steps on to "Remote-starting".

Warning: If you vehicle has an automatic transmission and the parking lights flash 15 times after pressing the ϟ button, please see your installer as programming will have to be modified.

Setting Your Vehicle Into Ready Mode

If your vehicle has a **manual transmission** you must read the following indications. In order to start the vehicle by remote, the unit must first be set to Ready Mode. If the unit is not set to Ready Mode, it cannot remote start the vehicle.

Please note that Ready Mode can be enabled by the remote or the handbrake, depending on the option that was selected by your installer. Therefore, you must follow the appropriate procedure between the two described below in order to set your vehicle into Ready Mode.

Once the system is set to Ready Mode, the vehicle can be remote started and stopped at any time. The system will exit Ready Mode if a door, the hood or the trunk is opened, if the brake pedal is pressed, if the parking brake is disengaged or if the ignition key is turned to the **IGNITION ON (RUN)** position.

To set the system to Ready Mode:

	If Ready Mode is enabled by remote	If Ready Mode is enabled by handbrake
1.	Ensure that all the doors, hood and trunk are closed. Make sure that the gear selector is in the neutral position.	
2.	With the engine already running, apply the parking brake **once** and release the brake pedal. **Make sure to release the brake pedal.**	2. With the engine already running, apply the parking brake **twice** and release the brake pedal. **Make sure to release the brake pedal.** **The parking lights will flash 3 times quickly and remain lit.** **Skip to step 4.**
3.	Within 20 sec. of engaging the parking brake, press and hold **LOCK**, **UNLOCK** or **START/STOP** on the transmitter. **The parking lights will flash 3 times quickly and remain lit.**	-
4.	Remove the key: the engine will continue running.	
5.	Exit the vehicle and close all doors, hood and trunk.	
6.	Press for approx. 1 second either: a. **LOCK** to lock the doors and shut down the engine; b. **UNLOCK** to unlock the doors and shut down the engine; c. **START/STOP** to shut down the engine without affecting the doors.	
7.	The Ⓡ icon will appear on your screen.	

Remote-starting

Press the **START/STOP** button for approx. 1 second. The parking lights will come **ON** and the remote control will play a melody to inform you that the system has received your signal. Approximately 5

seconds later, the engine will start —*the parking lights will remain on during the pre-programmed run time of the engine*. The remote control will play a second melody to confirm that the engine has started. If the vehicle does not start at the first attempt, the system will shut down. If your vehicle is equipped with an automatic transmission, there will be 3 start attempts before the system gives up.

Driving Off

With the vehicle running under remote control, press the **UNLOCK** button to disarm and unlock the doors. Enter the vehicle and do the following:

- Turn the ignition key to the **IGNITION ON (RUN)** position. (**Do not turn the key** to the **CRANK** position while the engine is running. This would cause the starter motor to re-engage.)
- Press the brake pedal to disengage the remote starter unit.

You are now ready to drive off.

Using the System

Arming and Disarming the System

To disarm the alarm and starter kill (if installed) and unlock the doors (if installed):

1. Press and hold the **UNLOCK** button for approximately 1 second.

There will be two chirps if the siren or horn is so configured.

2. The icon will appear, the parking lights will **flash twice** and the L.E.D. will flash quickly to confirm that the doors have been unlocked and that the starter kill (if installed) and the alarm are disarmed.

In passive mode, the system will rearm automatically 30 seconds after unlocking unless the key is meanwhile inserted in the ignition switch (see description of passive mode later in this guide).

To arm the alarm and starter kill (if installed) and lock the doors (if installed):

1. Press and hold the **LOCK** button for approximately 1 second.
   You will hear **one chirp** if the siren or horn is so configured.
2. The icon will appear, the parking lights will flash once and the L.E.D. will flash slowly to confirm that the doors have been locked and that the starter kill feature (*if installed*) and the alarm are armed.

Idle Mode

Convenience feature: Idle mode allows you to keep the engine running and the doors locked while you stop, for example, at a convenience store or for a short delivery.

This feature allows you to let the remote starter take over control of the vehicle (i.e. no key in the ignition switch) while the engine is running. For example, if you stop for a delivery or at a convenience store, lock your vehicle and leave it running for the length of a run cycle while you are away.

To leave the vehicle in Idle Mode if your vehicle has an <u>automatic transmission</u>:

1. With the engine running, press the **LOCK** or **UNLOCK** button (to unlock the doors) or the **START/STOP** button on the remote control until the parking lights come on.
2. Remove the key and exit the vehicle. The engine will go on running.
3. Lock the doors if needed.

The engine will go on running until the user re-enters the vehicle or until the expiration of the Engine Run Time.

If your vehicle has a **<u>manual transmission</u>**, Idle mode can be activated through the same routine as that used for ready mode; at the last step, the **TRUNK** button is pressed instead of the other buttons:

1. Ensure that all the doors are closed and that the shifter is in the neutral position.
2. With the engine already running, apply the parking brake and release the brake pedal. **Make sure to release the brake pedal.**

3. Within 20 sec. push **LOCK**, **UNLOCK** or **START/STOP** on the transmitter.
   The parking lights will flash 3 times quickly and remain lit.
4. Remove the key: the engine will go on running.
5. Exit the vehicle and close the door.
6. Press the **TRUNK** button until the system is armed (the doors will be locked if remote door lock is installed).

If the pre-programmed run-time expires or if the user shuts down the engine by remote control, the vehicle will get in ready mode.

Caution!!! Do not leave children or pets unattended in a vehicle standing in idle mode.

Turbo Mode

If Turbo Mode is configured at installation, it will allow a turbocharger to idle down after the user leaves the vehicle: the unit will take over the vehicle and keep it running for 60 seconds (or until it is shut down by remote control), then shut down the engine and set the Remote Car Starter to Ready Mode.

If your vehicle has an automatic transmission, proceed as follows to set the system in Turbo Mode:

1. With the engine already running, press the **LOCK** button on the transmitter until the parking lights come **ON**.
2. Remove the ignition key from the ignition switch. **The engine will go on running.**
3. Exit the vehicle and close the door.
4. **Press the TRUNK button to lock the doors; the engine will shut down after 60 seconds of Turbo Mode.**

If your vehicle has a manual transmission, follow all steps of the Ready Mode routine, to activate Turbo Mode:

1. Ensure that all the doors are closed and that the shifter is in the neutral position.
2. With the engine already running, apply the parking brake and release the brake pedal.
   Make sure to release the brake pedal.
3. Within 20 sec. Press LOCK, UNLOCK or START/STOP on the transmitter.
   The parking lights will flash 3 times quickly and remain lit.
4. Remove the key: the engine will go on running.
5. Exit the vehicle and close the door.
6. Press and hold either:

a. **LOCK** to lock the doors and shut down the engine after 60 sec.;
b. **UNLOCK** to unlock the doors and shut down the engine after 60 sec.;
c. **START/STOP** to shut down the engine immediately, without affecting the doors (this will by-pass Turbo Mode).
d. **TRUNK** to set the vehicle into idle mode

Valet Mode with the Valet Switch

When your vehicle is in valet mode, the remote starter functionalities are disabled. If the vehicle needs to be serviced, or if you park it indoors, the valet mode will prevent the engine from being remote-started accidentally.

To put the system into valet mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.
2. Within 3 seconds, press the valet button. The parking lights will flash three times and the L.E.D. will turn itself on.

— The [V] icon will appear on your LCD remote.

To take the system out of valet mode:

1. Turn the ignition key to the **IGNITION ON (RUN)** position.

2. Within 3 seconds, press and release the valet button. The parking lights will flash twice and the L.E.D. will turn itself off.

— The V icon will disappear from your LCD remote.

Note: Once valet mode is activated, the remote starter and alarm functions will be disabled.

Ignition Valet

This feature will allow you to remotely put your system into valet mode by using the ignition key instead of the valet button as above. Ignition valet can be used without a valet button installed.

To put the system into Ignition valet mode:

- Insert the ignition key into the ignition switch; within 10 seconds, turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.
- The parking lights will flash three times to indicate that the vehicle is now in valet mode and the L.E.D. will turn itself on.

— The V icon will appear on your LCD remote.

To take the system out of Ignition Valet Mode:

- Insert the ignition key into the ignition switch; within 10 seconds, turn the key 5 times successively into the **IGNITION ON / RUN** and **OFF** positions.
- The parking lights will flash twice to indicate that the vehicle is now out of valet mode and the L.E.D. will turn itself off.

— The V icon will disappear from your LCD remote.

Note: With the ignition valet activated, the remote starter and alarm functions will be disabled.

Start Attempts Indicator (Valet Mode)

This reveals start attempts made while the vehicle was in valet mode. The parking lights will:

- Come **ON**, go **OUT**; then
- Flash **twice**.

Remote Valet Mode

This feature will allow you to remotely put your system into valet mode by using the transmitter instead of the valet button as above.

Getting into Remote valet mode

- Hold the **UNLOCK** and **START/STOP** buttons simultaneously for 3 seconds.
- **The parking lights will flash 3 times.**

The transmitter will beep once and will display the V icon; the LED will remain on solid.

Getting out of Remote valet mode

- Hold the **UNLOCK** and **START/STOP** buttons simultaneously for 3 seconds.
- **The parking lights will flash 2 times.**

The transmitter will beep once and the V icon will disappear and the LED will turn off.

Note: With the remote valet activated, the remote starter and alarm function will be disabled.

"Home Valet™" Mode

If configured at installation, this feature will remotely set the vehicle to a no-remote-start mode: if the vehicle is parked indoors there is no danger of it starting accidentally by remote control. The system must be in ready mode in order to enter in Home Valet™.

Note: Once the Home Valet Mode is activated, the vehicle will not start by remote, but the alarm functions will remain active.

To take the system into home valet mode:

- Press the **LOCK** or **UNLOCK** button.
- Within 5 seconds, press the **LOCK** and **START/STOP** button simultaneously.

The transmitter will beep once and the V icon will display.

To take the system out of home valet mode:

- Turn the ignition key to the **IGNITION ON (RUN)** position.

The system will warn you if someone attempts to start your vehicle while it stands in Home Valet Mode. The parking lights will:

- Go **ON** then **OFF**; then
- Flash **twice**, pause; then
- Flash **twice** again.

Panic Mode

In an emergency situation, you can activate panic mode using the **LOCK**, **UNLOCK** or **FUNCTION** button. This will:

- shut down the engine,
- unlock the doors (with the **UNLOCK** button)
- or lock the doors (with the **LOCK** button),
- disarm the starter kill and
- activate the siren for 1 minute.

> **Note:** See the description of the **starter kill** option later in this guide.

To activate panic mode:

- Press and hold the **UNLOCK** button for approximately 3 seconds until the sound signal starts and the parking lights flash: this will unlock the doors before the sound signal starts.
- **Or** press and hold the **LOCK** button for approximately 3 seconds until the sound signal starts and the parking lights flash: this will lock the doors before the sound signal starts.
- **Or** press and hold the **FUNCTION** button for approximately 3 seconds until the sound signal starts and the parking lights flash.

If the panic mode is triggered while the system is armed in Passive mode, the alarm will sound for 30 seconds. If the system is armed in Active mode, the alarm will sound for 1 minute.

> **Note:** To stop panic mode before the end of its delay, press the **LOCK** or **UNLOCK** button until the sound signal stops.

Quick Lockout™

(Also called **secure panic**.) For fast protection in emergency situations, the system will lock all doors when you press the brake pedal while you hear the sound signal. (*Quick Lockout* is only available when panic mode has been set off.)

Cold Weather Mode

If your vehicle has a Manual transmission, Ready mode should be set before entering Cold Weather. When cold weather mode is active, the engine starts every 2 hours and runs for 3 minutes (or for 8 or 20 minutes with diesel engines). The system must be in ready mode in order to enter cold weather mode**.** Cold weather mode automatically ends after 24 hours.

To enter cold weather mode:

- Press and release the **FUNCTION** button until you hear a beep. Release the **FUNCTION** button, SOS will appear, then press and hold the **START/STOP** button for 3 seconds until the parking lights flash three times.

The remote control will beep once and the 24H icon will appear on the display.

To exit cold weather mode, do any one of the following actions:

- Open the hood.
- Start the engine by remote.
- Turn the ignition key to the **IGNITION ON (RUN)** position.
- Press the brake pedal.

- Press the **FUNCTION** button until you hear a beep. Release the **FUNCTION** button and 50 will appear on the display. Then press the **START/STOP** button for 3 seconds (the parking lights will flash once).

When the system exits cold weather mode, the remote control will beep once and the icon will disappear.

Temporary chirp delete

To temporarily disable the chirp confirmations of the siren upon arming and disarming (e.g. in a quiet neighbourhood):

1. Press the **TRUNK** button and the Parking Lights will flash once.
2. Within 3 seconds, press the **LOCK** or **UNLOCK** button to arm or disarm without any chirps.

Advanced Features: Installation-programmable Options

The system was designed with flexibility and OEM integration in mind. With its programmable options, this unit can single-handedly control nearly any electrical system in your vehicle.

Caution: The programming of your system should be left to a professional. Changing any one of the settings may affect the operation of your system.

The installation-programmable options are as follows:

- Remote Door Locks
- Priority Door Access
- Passive or Active Arming
- Starter Kill / Anti-grind feature
- Shock Sense and Warn-away
- Disarmed Notification
- Siren / Horn Chirps
- Car Finder
- Siren / Horn Chirp Timing
- Safe Start
- Ignition-controlled Door Locks
- Ignition Re-lock
- Relock
- Secure Lock
- Turbo Mode
- Remote Trunk Release
- Engine Run Time
- Separate Start and Stop buttons
- Multi-car Operation.

Remote Door Locks

If your system was installed with the remote door locks option, you will have the convenience of remote keyless entry. See section arming and disarming the system, earlier in this guide, for further instructions on remote door locking and unlocking.

Priority Door Access

If the Remote Door Locks option is installed on your vehicle, this safety feature allows you unlock solely the driver's door with a single press of the **UNLOCK** button on the transmitter; upon a second press of the **UNLOCK** button, all the other doors will unlock.

Active or Passive Arming

The alarm and starter kill can be configured either to passive mode (so as to arm automatically) or active mode (so as to require user intervention for arming). By default, your system is configured to passive mode. In passive mode, the alarm and starter kill will automatically arm **30 seconds** after the last door is closed. The system will not arm if a door is left open, or if you re-open a door within the 30-second delay.

Important: When the system re-arms automatically or if there is an alarm condition, you can disarm the system by simply pressing the **UNLOCK** button.

The Starter Kill and the Anti-grind Feature

With this added security feature, the system will prevent your vehicle from starting with the ignition key when the starter kill is armed. If your system was installed with the starter kill option, one will not be able to start your vehicle with the key unless the system has been unlocked and disarmed first, or put into valet mode.

Note: If the starter kill is installed, your vehicle will benefit from a protection against starter motor damage that could occur after remote-starting the engine should the user, by force of habit, turn the ignition key to the **CRANK** position.

Shock Sense, Warn-away Sense

Your system will react to a full shock by triggering the alarm; it can also respond to a lighter shock (30 % of the strength of a full shock) by giving a warn-away (without triggering an alarm condition).

Note: After a remote start, although the shock sensor is disabled, all the other alarm-triggering zones, such as the doors, the trunk or the hood, may still trigger an alarm.

Disarmed Notification

This feature will notify the user when the vehicle was left disarmed: after the engine is shut down (with the key removed) and all doors are closed, the siren will chirp once after a 10-seconds notification delay to warn the user that the vehicle was left unprotected. The notification can be avoided by pressing the **LOCK** or **UNLOCK** button on the transmitter.
The user will likewise be notified after the system is disarmed using the transmitter.

Siren Chirps or Horn Honks

The siren will chirp to confirm basic operations on the System:

- By default, upon locking the doors the siren will give one chirp if no protection zone is active.
- If a zone is active as the doors are being locked, the siren will give three chirps.
- When the doors are being unlocked, the siren will give two chirps if no intrusion was detected.
- If an intrusion was detected, as the doors are being unlocked the siren will give four chirps.

The system can alternatively be set to:

Warning Mode: no chirp during lock/unlock…

- unless a zone is active when locking, in which case there will be 3 chirp upon locking
- or unless the alarm was triggered, in which case there will be 4 chirps when unlocking);

Open Zone Notification Mode: 3 warning chirps if a door is left open 10 sec. after arming.
No Chirp: the siren will not chirp under any circumstance.

Car Finder

(Enabled by default.) When enabled, the Car Finder option will help you locate your vehicle by generating a pulsating signal through the horn or the siren. To hear the signal, press **FUNCTION** then **LOCK**.

Siren or Horn Chirp Timing

The duration of the chirps can be adjusted at installation (from 5 to 200 ms).

Safe Start

If this feature is enabled, the user must press the **START/STOP** button 2 times within 3 seconds to remote-start the vehicle. This will eliminate accidental remote starts, e.g. when children are playing with the transmitter. If swap start mode is selected, to remote-start your vehicle press **FUNCTION** followed by **LOCK**. The **AUX 2** output can be activated by pressing the **START/STOP** button.

Home Valet ™

If this feature is installed, the user will have the possibility to remotely set the vehicle to a no-remote-start mode. *See home valet section, earlier in this guide, for full instructions.*

Ignition-controlled Door Locks

This is an added security feature. If your system was installed with the ignition-controlled door locks option, the doors will automatically be locked as soon as the ignition key is turned to the **IGNITION ON (RUN)** position while the brakes are pressed. When the key is turned to the **OFF** position, the doors will automatically be unlocked.

Ignition Re-lock

On systems of this series, when ignition-controlled door locks are enabled and the ignition key is in the **IGNITION ON (RUN)** position, should any door be unlocked and opened, all doors will be relocked next time the brake pedal is pressed.

Relock

If you unlock the doors with the remote transmitter, but do not open any doors, hood or trunk, or turn ignition within 30 seconds, the doors will automatically relock and rearm the system.

Note: When the system is in **active arming** mode and the **relock** mode is enabled, the doors will relock but the system will not rearm.

Secure Lock

Before it can remote-start your vehicle, the system must first disarm the factory security system. The secure lock feature may be required on certain vehicle models with factory security systems that automatically unlock the doors when the security system is disarmed. To keep your vehicle protected when the factory security system is disarmed for a remote start, secure lock will relock your doors as soon as the vehicle has started. Once the engine run cycle ends, secure lock will rearm your factory security system.

Turbo Mode

When left in turbo mode, the system will keep the engine running for 60 seconds before shutting it down. This is to allow a turbocharger to idle down after the user leaves the vehicle. *See turbo mode section earlier in this guide.*

Remote Trunk Release

If your system was installed with the remote trunk release option, you can open your trunk by pressing the **TRUNK** button for 3 seconds on the remote transmitter or by pressing the **TRUNK** button twice within 3 seconds.

Note: When pressing the **TRUNK** button, the **TRUNK** will open and the security system will disarm. If your vehicle is in passive mode, the system will rearm after a 30-sec. Delay, once the trunk is closed. If your vehicle is in ready mode, it will be cancelled as soon as the trunk opens.

Engine Run Time

(15/20 minutes by default.) If you have a gas engine, your System can be programmed to run the engine for 3, 15, or 25 minutes (15 minutes by default). If you have a diesel engine, the System can be programmed to run the engine for 8, 20, or 30 minutes (20 minutes default).

Extended Run Time

While the vehicle is running under a remote start, **pressing and holding the ϟ button for more than 3 seconds** will reset the run time counter to zero and restart the run time cycle from the beginning. There will be three beeps and the parking lights will flash three times. **The extended run time procedure can only be carried out once per remote start.**

To stop the vehicle, at any moment, simply press the ϟ button.

Example: If your remote car starter is programmed for a run time of 3 minutes and your vehicle has been running for 2 minutes already, pressing the ϟ button will reset the counter to zero and allow the engine to run for another cycle (in this case, 3 minutes).

Separate Start and Stop buttons

The Auxiliary button [O] can be programmed as the Stop button – Mode 4, Function 3, Option 1

Temperature Request (If ACC-Temp-101 installed)

The user can request the temperature in the vehicle if a Temperature Sensor Module (ACC-Temp-101) is installed:

- Press the F button for 1 second and release; you will hear a beep. L-01 will appear on the screen.
- Immediately press the button and hold it until the temperature is displayed on the LCD screen.

Note: to change the temperature from Celsius to Fahrenheit, press F + + simultaneously.

Multi-car Operation

This option allows the owner of two vehicles, both equipped with System systems, to control both systems with a single remote control. To control the second vehicle:

- Press **TRUNK + LOCK** buttons simultaneously: ..... **LOCK**
- Press **TRUNK + UNLOCK** simultaneously: ..... **UNLOCK**
- Press **TRUNK + START/STOP** simultaneously: ..... **START**
- Press **TRUNK + START/STOP** simultaneously: ..... **STOP**
- Press **SHIFT ➢ SHIFT ➢ TRUNK:** ..... **TRUNK**

Or

- Press **SHIFT ➢ SHIFT ➢ + LOCK**: ..... **LOCK**
- Press **SHIFT ➢ SHIFT ➢ + UNLOCK**: ..... **UNLOCK**
- Press **SHIFT ➢ SHIFT ➢ + START/STOP:** ..... **START**
- Press **SHIFT ➢ SHIFT ➢ + START/STOP:** ..... **STOP**
- Press **SHIFT ➢ SHIFT ➢ + TRUNK:** ..... **TRUNK**

Note: Your remote control must be configured for second car operation by the installer.

Note: In order to access the 2nd car operations with the companion remote, Shift button must be pressed twice quickly and then one more time followed by **LOCK**, **UNLOCK**, **TRUNK** or **START/STOP**.

Missing a Start or a Stop Confirmation

If you have not received a Start or the Stop confirmation after pressing the **START/STOP** button, simply press the **LOCK** button. Pressing the **LOCK** button will refresh the display and will confirm if the vehicle was started or stopped.

The Start Confirmation Was Not Received

If after remote starting the vehicle no confirmation was received, simply press the **LOCK** button, this will refresh the display. If the vehicle was started successfully, the smoke icon and the hourglass icon will appear as well as the run time countdown. Pressing the **LOCK** button will also lock all doors (the lock icon will appear). If the doors were already locked prior to pressing the **LOCK** button, there will be no change in the status of the doors —i.e. the doors will remain locked.

- On models where starter kills were installed, pressing the **LOCK** button will also activate the starter kill.
- On alarm models, pressing the **LOCK** button will also activate the monitoring.

The Stop Confirmation Was Not Received

If after remote stopping the vehicle no confirmation was received —i.e. the display did not return to its basic state— simply press the **LOCK** button, this will refresh the display. If the engine was stopped, the smoke icon and the hourglass icon will disappear and the time will be displayed. Pressing the **LOCK** button will also lock all doors (the lock icon will appear). If the doors were already locked prior to pressing the **LOCK** button, there will be no change in the status of the doors —i.e. the doors will remain locked.

- On models where starter kills were installed, pressing the **LOCK** button will also activate the starter kill.
- On alarm models, pressing the **LOCK** button will also activate the monitoring.

Multi-Level Features (*default state)*

Basic Features (*press the* **FUNCTION** button *1X)*

FUNCTION ➢ **LOCK**: ..... aux 2
FUNCTION ➢ **START/STOP** ..... cold weather

Multi-Car Operation (*press the* **FUNCTION** button *2X)*

FUNCTION ➢ **FUNCTION** ➢ **LOCK:** ..... 2nd car lock
FUNCTION ➢ **FUNCTION** ➢ **UNLOCK:** ..... 2nd car unlock
FUNCTION ➢ **FUNCTION** ➢ **START/STOP:** ..... 2nd car start/stop
FUNCTION ➢ **FUNCTION** ➢ **TRUNK:** ..... 2nd car trunk

Customized Features (*press the* **FUNCTION** button *3X)*

(*May not be compatible with some vehicles*)

Your installer can add customized features such as turning on the radio, opening sliding doors, etc.

FUNCTION ➢ **FUNCTION** ➢ **FUNCTION** ➢ **LOCK:** ..... customized feature 1
FUNCTION ➢ **FUNCTION** ➢ **FUNCTION** ➢ **UNLOCK:** ..... customized feature 2
FUNCTION ➢ **FUNCTION** ➢ **FUNCTION** ➢ **TRUNK:** ..... customized feature 3
FUNCTION ➢ **FUNCTION** ➢ **FUNCTION** ➢ **START/STOP:** ..... customized feature 4

By default, the multi-level features are programmed as follows:

- Level 1 (Basic Features)
- Level 2 (Multi car operation)
- Level 3 (Customized Features)

Accessing the Multi-Level Features and Other Transmitter Functions

- To access a Level 1 feature, press and hold the **FUNCTION** button until you hear a "beep"; within three seconds of hearing the "beep", release the **FUNCTION** button. 501 will be displayed. This display means that you are now in Level 1. Simply press the corresponding button to access the desired feature.
- To access a Level 2 feature, press and hold the **FUNCTION** button until you hear a "beep within three seconds of hearing the "beep", release the **FUNCTION** button and press and release the **FUNCTION** button once more. 502 will be displayed. This display means that you are now in Level 2. Simply press the corresponding button to access the desired feature.
- To access a Level 3 feature, press and hold the **FUNCTION** button until you hear a "beep"; within three seconds of hearing the "beep", release the **FUNCTION** button and press and release the **FUNCTION** button two more times. 503 will be displayed. This display means that you are now in Level 3. Simply press the corresponding button to access the desired feature.
- To access the transmitter functions (clock and alarm adjustments), press and hold the **FUNCTION** button until you hear a "beep"; within three seconds of hearing the "beep", release the **FUNCTION** button and press and release the **FUNCTION** button three more times. There will be two quick "beeps" indicating that you are now in the transmitter functions adjustment menu. The Hour position will be flashing. Simply press and release the **FUNCTION** button until you reach the desired location and proceed with the adjustment by pressing the **START/STOP** or **TRUNK** buttons.

Your installer can customize the system as to personalize these multi-level features in an order that best suits you. Your options are:

Option 1:		
Level 1 (requires pressing the **FUNCTION** button 1X)	→	Multi car operation
Level 2 (requires pressing the **FUNCTION** button 2X)	→	Basic features
Level 3 (requires pressing the **FUNCTION** button 3X)	→	Customized features
Option 2:		
Level 1 (requires pressing the **FUNCTION** button 1X)	→	Basic features
Level 2 (requires pressing the **FUNCTION** button 2X)	→	Multi car operation
Level 3 (requires pressing the **FUNCTION** button 3X)	→	Customized features
Option 3:		
Level 1 (requires pressing the **FUNCTION** button 1X)	→	Customized features

Level 2 (requires pressing the **FUNCTION** button 2X)	→	Multi car operation
Level 3 (requires pressing the **FUNCTION** button 3X)	→	Basic features
Option 4:		
Level 1 (requires pressing the **FUNCTION** button 1X)	→	Basic features
Level 2 (requires pressing the **FUNCTION** button 2X)	→	Customized features
Level 3 (requires pressing the **FUNCTION** button 3X)	→	Multi car operation

Example: If the multi-level features were set to option 3, the set-up would be as follows:

- Level 1 → Customized feature
- Level 2 → Multi car operation
- Level 3 → Basic features

The **"**Basic features" are now programmed as level 3 and therefore:

- To access the aux. 2 feature, the user needs to press on the **FUNCTION** button three (3) times followed by the **LOCK** button.
- To access cold weather mode, the user needs to press on the **FUNCTION** button three (3) times followed by the **START/STOP** button.

Note: When using the companion remote, Shift button must be pressed twice quickly the first time. For instance, to access ***customized feature 1*****,** press **SHIFT** twice quickly, **SHIFT** and **SHIFT** again followed by Lock.

Note: If the multi-level features have been modified from their default state by your installer, the **SHIFT** button may have to be pressed once, twice or three times, according to the option you chose

Intrusion Codes through the LED Light

If there has been an intrusion in the vehicle while it was locked and armed, the LED will provide an intrusion code matching the type of the intrusion that took place. Disarm the alarm (**UNLOCK**) to identify the intrusion. The LED intrusion codes are flashed in continuous loops:

2 x = Doors intrusion	5 x = Panic
3 x = Shock Sense	6 x = Ignition
4 x = Hood	7 x = Trunk

The alarm diagnostic by LED projects a LED flash sequence immediately after disarming and will remain in that state of alarm memory until the ignition is turned ON.

Troubleshooting Poor Transmitting Range

Many factors may affect the operating range of the transmitter. Some of these are:

- The condition of the battery in the transmitter.
- The operating environment (for example: downtown radio-frequency noise, airports, cellular phone towers…)
- Metal: any type of metal will affect operating range. This includes the metal in the car.
- The shape of the vehicle can affect range as well; vans in general have an especially poor range.
- The shape of the roof and A-pillars brings about considerable radio-frequency deflection (in this case the signal from the remote control). As a result, the direction in which the vehicle is facing in relation to the remote control can affect the range. Straight on – standing in front of the vehicle – generally gives you the greatest range; the second best performance is from the back. Using the remote control from either side of the vehicle will usually give the lowest range.
- The range will be significantly lower in a crowded parking lot than in open space.
- Always hold the transmitter high, approximately at shoulder height. Holding the transmitter against your chin will also increase your range: your head acts as an antenna.

- The operating range will be somewhat lower on vehicles equipped with an aftermarket or factory alarm.

Using the Remote Control

Function Button:
. Turns On the backlight
. For accessing Multi-level functions

LOCK Button:
Locks all Doors and arms the Starter Kill

UNLOCK Button:
Unlocks all Doors and disarms the Starter Kill

AUXILIARY Button
. Activates AUX 2
. Or Stops the engine (If programmed as Stop Button)

TRUNK Button:
Activates the Trunk output (AUX 3)

START/STOP Button:
. Starts or Stops the engine (Normal functions)
. Starts the engine ONLY (if the Auxiliary Button is programmed as STOP Button)

The transmitter offers several command-confirmation and timer features. This section explains some of the key functions available on the remote control. Next section gives a summary of the button combinations used to access the functions.

Note: If you wish to exit a function, while still in the process of accessing it, simply stop and wait for at least 10 seconds: the transmitter will return to its normal state.

LCD Transmitter Operation (First Car Control)

Basic Vehicle Operation

FUNCTION	BUTTON PRESSED	ICON	BUZZER	INSTRUCTIONS /DESCRIPTION
LOCK			1 Beep	Locks the doors and arms the Starter Kill (if installed) and the alarm.
UNLOCK			2 Beeps	Unlocks the doors and disarms the Starter Kill (if installed) and the alarm.
TRUNK or AUX 3			1 Beep	Trunk output
START * (see Runtime Options below)		+	Melody	Starts the engine
STOP		None	Melody	Stops the engine
AUX 2 or STOP		None	AUX 2 = 1 beep…1 beep STOP = Melody	Activates AUX 2 (by default) or stops the engine (if programmed as **STOP** button).

Light ON	F	ON for 5 seconds		Press the F button once.

Transmitter Mode Selection

FUNCTION	BUTTON PRESSED	ICON	BUZZER	INSTRUCTIONS /DESCRIPTION
POWER-SAVING MODE	F +	S	Melody	Press the **UNLOCK** button then press **FUNCTION** and **LOCK** simultaneously
VIBRATION MODE	F +		Vibrates 4 times	
ALARM CLOCK MODE ON/OFF	F +	AM PM 8:88	Melody	Press once to switch the Alarm Clock **ON** Press twice to switch the Alarm Clock **OFF**

Time or Alarm Clock Adjustments

User	Transmitter
1. Press **and hold** the **FUNCTION** button until a beep is heard	The backlight will turn on the moment the **FUNCTION** button is pressed.
2. Upon hearing the beep, release the **FUNCTION** button,	..... 501 is displayed
3. Press and hold the **FUNCTION** button once more	
4. Release the **FUNCTION** button when a beep is heard,	..... 502 is displayed
5. Press and hold the **FUNCTION** button once more until a beep is heard,	
6. Release the **FUNCTION** button	..... 503 is displayed
7. At that point, press and hold the **FUNCTION** button until 2 beeps are heard.	..... The hour setting will start to flash.

a. Press the button to **increase** the value or to activate or deactivate a function or to toggle through the melodies.

b. Press the to **decrease** the value or to activate or deactivate a function or to toggle through the melodies.

c. To save modifications**, do not touch any buttons for approx 10 to 15 seconds**. There will be a beep and the display will return to the time.

Pressing the **FUNCTION** button

1X .....Adjust hour (current time)
2X ..... Adjust minutes (current time)
3X ..... Adjust hour (Alarm)
4X .....Adjust minutes (Alarm)
5X ... Melody selection for the ringing of the alarm
6X .....Activate (ON) / Deactivate (OFF) Alarm
7X .....Adjust hour (countdown)
8X ..... Adjust minutes (countdown)
9X ..... Melody selection for the countdown
10X .Activate (ON) / Deactivate (OFF) countdown

Cold Weather Mode

FUNCTION	BUTTON PRESSED	ICON	BUZZER	INSTRUCTIONS /DESCRIPTION
TO ENTER COLD WEATHER MODE	F+⚡	24H	BEEP	Press F and release then press and hold ⚡ for 3 seconds.
TO EXIT COLD WEATHER MODE	F+⚡	None	BEEP	

Home Valet™

FUNCTION	BY PRESSING	ICON	BUZZER	INSTRUCTIONS / DESCRIPTION
TO ENTER HOME VALET ™ MODE	**Step 1 :** 🔒 or 🔓 **Step 2:** 🔒 + ⚡ simult. within 5 sec.	V	1 BEEP	Press 🔒 or 🔓; within 5 seconds, press 🔒 + ⚡. The V icon will be displayed and there will be 1 beep.
TO EXIT HOME VALET ™ MODE	NONE	NONE	NONE	Insert the key in the ignition switch and turn it to the **IGNITION ON / RUN** position. The icon will disappear after pressing the **LOCK** or **ULOCK** button.

Safe Start Mode

FUNCTION	BY PRESSING	ICON	BUZZER	INSTRUCTIONS / DESCRIPTION
START ON SAFE START MODE	⚡ X 2	⧗ + ⚡	BEEP	Press the ⚡ button **twice** within 3 seconds. **Or:** Press for 1 second (beep) then press again for 1 second (beep).
STOP ON SAFE START MODE	⚡	None	Melody	

Parking Countdown

FUNCTION	BY PRESSING	ICON	BUZZER	INSTRUCTIONS / DESCRIPTION
FOR PARKING COUNTDOWN:	F + ⚡ 1 time	0:10	Melody	10 MIN COUNT DOWN
	F + ⚡ 2 times	0:20	Melody	20 MIN COUNT DOWN
	F + ⚡ 3 times	0:30	Melody	30 MIN COUNT DOWN
	F + ⚡ 4 times	1:00	Melody	60 MIN COUNT DOWN
	F + ⚡ 5 times	1:30	Melody	90 MIN COUNT DOWN
	F + ⚡ 6 times	2:00	Melody	120 MIN COUNT DOWN
	F + ⚡ 7 times	0:00	Melody	PARKING COUNT DOWN OFF

*Runtime Options (once the car has been remote started)

FUNCTION	BY PRESSING	ICON	GAS	DIESEL
ENGINE RUNTIME	⚡	⚡	4 minutes	9 minutes
	⚡	⚡	15 minutes	20 minutes
	⚡	⚡	25 minutes	30 minutes

LCD Transmitter Operation (Second Car Control)

Basic Vehicle Operation

FUNCTION	BUTTON PRESS	ICON	BUZZER	DESCRIPTION
LOCK			1 Beep	Locks the doors and arms the Starter Kill (if installed) and the alarm.
UNLOCK			2 Beeps	Unlocks the doors and disarms the Starter Kill (if installed) and the alarm.
START			Melody	Starts the engine
STOP		None	Melody	Stops the engine
TRUNK			1 Beep	

Start and Stop While in Safe Start Mode

FUNCTION	BUTTON PRESS	ICON	BUZZER	DESCRIPTION
START ON SAFE START MODE	X 2		Melody	Press the and buttons simultaneously **twice** within 3 seconds. Press for 1 second (a melody will be heard) then press 1sec and a melody will be heard again.
STOP ON SAFE START MODE		None	Melody	

Diagnostics – Chirps Table

Chirps	Description
1	• Doors locked, alarm and starter kill armed. • **LOCK** confirmation. • Entering mode 1 in the programming centre. • Disarmed notification
2	• Doors unlocked, alarm and starter kill disarmed. • Transmitter programmed. • Entering mode 2 in the programming centre.
3	• **LOCK** and arm while a zone is left unprotected. • Entering mode 3 in the programming centre. • Door zone left unprotected.
4	• **UNLOCK** and disarm: an intrusion was detected (in warning chirps mode or full chirps mode). • Entering tach-programming mode. • Entering mode 4 in the programming centre.
5	• Siren or horn chirp timing adjustment
Constant up to 60 seconds	• In siren or horn mode: alarm condition generated by an intrusion, by panic mode or when the system is powered up. The siren will sound for 60 sec.

Diagnostics – Parking Light Flash Table

Flashes	Description	
1	• Doors locked, Alarm and starter kill armed. • Run time has expired. • **TRUNK** button pressed.	• Start signal received by the module. • Cold weather mode cancelled.
2	• Remote start attempt cancelled by remote. • Doors unlocked, starter kill disarmed. • Exiting ignition valet • Power ON to OFF(Automatic transmission)	• Exiting remote valet • Power-up reset. • Board set from manual to automatic; power ON
2 slow flashes then 8 quick flashes	• Reset from Manual to Automatic	
3	• Entering cold weather mode • Entering ignition valet • Entering or exiting Ready Mode	• Entering remote valet. • Entering extended run time.
4	• +12 V detected on the brake input wire either while cranking or during run time. • Entering multi-speed tach programming.	• Board set from automatic to manual; power ON • Power ON to OFF (manual transmission)
5 Fast	• Tach signal programmed. • New transmitter programmed.	
6	• A remote start was attempted while a tach-before-crank signal was detected before cranking.	
8	• Unit reset	
10	• A ground (-) signal was detected on the hood pin input wire.	
When pressing START/STOP 15 quick flashes	• The parking brake is connected to ground (automatic transmission)	
1 – pause – 2	• There was a remote start attempt while the vehicle was in valet mode. • Failed start: vehicle's low battery voltage.	
ON SOLID for 3 seconds….	…followed by 1 flash	• Entering cold weather mode
	…followed by 3 flashes	• Entering cold weather mode
ON continuously	• **Idle mode:** Idle mode is engaged • **Run time:** The vehicle has been remote started and is in run time.	
ON 2 seconds	• The hood has been opened and a ground (-) signal has been detected on the hood pin input wire.	
ON 4 seconds	• Locking or unlocking a door (with Door pulses configured to 4 sec.)	
ON 20 seconds	• The hood pin has been flashed and you now have access to the programming options.	
Constant flashes up to 60 sec.	• In Siren or Horn Mode: Alarm condition generated by an intrusion, by Panic Mode or when the System is powered up.	